



EROSION & SEDIMENTATION CONTROL LEGEND

NOTE: REFER TO THE EXISTING FEATURES PLAN FOR THE EXISTING FEATURES LEGEND

- DETAIL NUMBER
DRAWING NUMBER WHERE DRAWN
- SECTION LETTER
DRAWING NUMBER WHERE DRAWN
- EXISTING CONTOURS, MAJOR INTERVALS
- EXISTING CONTOURS, MINOR INTERVALS
- PROPOSED CONTOURS, MAJOR INTERVALS
- PROPOSED CONTOURS, MINOR INTERVALS
- TREES TO BE REMOVED
- TREE PROTECTION FENCE
- INLET PROTECTION DEVICE
- COMPOST FILTER SOCK
- EROSION CONTROL BLANKET, NAG SC-250 OR APPROVED EQUAL
- LIMIT OF EARTH DISTURBANCE

SOILS LEGEND

- URBAN LAND-EDGEMONT COMPLEX
0 TO 8 PERCENT SLOPES

EROSION & SEDIMENTATION (E&S) CONTROL PLAN

BUILDING SITE DEVELOPMENT TABLE

SOIL NAME AND MAP SYMBOL	SOIL LIMITATIONS			RECOMMENDATIONS
	ROADS AND STREETS	SHALLOW EXCAVATIONS	LAWNS AND LANDSCAPING	
URKB URBAN LAND-EDGEMONT COMPLEX, 0 TO 8 PERCENT SLOPES	SOIL NOT RATED	SOIL NOT RATED	SOIL NOT RATED	MINIMIZED EXCAVATION ON STEEP SLOPES. MAINTAIN E&S AT ALL TIMES. CONTRACTOR IS TO NOTIFY ENGINEER IF LIMITATIONS ARE DISCOVERED DURING CONSTRUCTION.

SOURCE: SOIL SURVEY STAFF, NATURAL RESOURCES CONSERVATION SERVICE, UNITED STATES DEPARTMENT OF AGRICULTURE, WEB SOIL SURVEY, AVAILABLE ONLINE AT [HTTP://WEBSOILSURVEY.NRCS.USDA.GOV](http://websoilsurvey.nrcs.usda.gov), ACCESSSED APRIL 16, 2014

TEMPORARY AND PERMANENT STABILIZATION SPECIFICATIONS

(TEMPORARY - PENNIDOT TYPE "E")
SPECIES: ANNUAL RYEGRASS
% PURE LIVE SEED: 98%
APPLICATION RATE: 50 LB/ACRE
FERTILIZER TYPE: 10-10-10
FERTILIZER APPLICATION RATE: 500 TACRE
LIMING RATE: 1 T/ACRE
MULCH TYPE: HAY
MULCHING RATE: 3 T/ACRE

(PERMANENT - PENNIDOT TYPE "B")
SPECIES: PERENNIAL RYEGRASS/
CREEPING RED FESCUE/
KENTUCKY BLUEGRASS MIXTURE
% PURE LIVE SEED: 98%, 98%, 98%
APPLICATION RATE: 20-30-50 LB/ACRE
FERTILIZER TYPE: 10-20-20
FERTILIZER APPLICATION RATE: 1000 TACRE
LIMING RATE: 6 T/ACRE
MULCH TYPE: CLEAN WHEAT OR OAT STRAW
MULCHING RATE: 3 T/ACRE
ANCHOR MATERIAL: NONE
ANCHORING METHOD: NONE
RATE OF ANCHOR MATERIAL APPLICATION: NONE
SEEDING SEASON DATES: MAR 1 TO MAY 30 AND SEPT 1 TO OCT 15

E&S FACILITIES MAINTENANCE REQUIREMENTS

TIRE WASH AREA	CONTRACTOR SHALL MAINTAIN THE TIRE WASH AREA DAILY AND AS REQUIRED TO PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN-OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED BY END-OF-DAY. PROTECT DOWNSTREAM VEGETATION FROM SEDIMENT-LOADED RUNOFF AT ALL TIMES.
COMPOST FILTER SOCKS	COMPOST FILTER SOCKS ARE TO BE CHECKED WEEKLY AND AFTER EACH RAINFALL EVENT. REMOVE SEDIMENT BUILDUP ONCE IT REACHES 1/3 THE HEIGHT OF THE COMPOST FILTER SOCKS. IF THE COMPOST FILTER SOCK IS OVERTOPPED OR FAILS TO EFFECTIVELY FILTER SEDIMENT, REPLACE FAILED FENCE SECTION WITH A ROCK FILTER OUTLET. REPAIR SOCK OR REPLACE WITH ROCK FILTER OUTLET WITHIN 24 HOURS.
ROCK FILTER OUTLETS	ROCK FILTER OUTLETS ARE TO BE CHECKED WEEKLY AND AFTER EACH RAINFALL EVENT. IF R-3 STONE IN THE ROCK FILTER OUTLET FAILS TO EFFECTIVELY FILTER SEDIMENT, ASHTO #67 STONE SHALL BE ADDED WITHIN 24 HOURS. REMOVE SEDIMENT BUILD UP ONCE IT REACHES 1/3 THE HEIGHT OF THE OUTLET.
INLET FILTER BAGS AND PUMPED WATER BAGS	CHECK DAILY AND REMOVE SEDIMENT WHEN HALF FULL, OR AS NEEDED TO PREVENT CLOGGING BY SEDIMENT AND PONING. MAINTAIN WITHIN 24 HOURS OF OBSERVED FAILURE OR SEDIMENT BUILD-UP.
TEMPORARY STOCKPILES	STOCKPILES SHALL BE MAINTAINED SO AS NOT TO EXCEED 35 FEET IN HEIGHT OR 2:1 IN SLOPE. THESE AREAS SHALL BE SEEDED AND MULCHED IN ACCORDANCE WITH THE SPECIFICATIONS AND 18" COMPOST FILTER SOCK SHALL BE INSTALLED AROUND THE PERIMETER.
TEMPORARY SEEDING AREAS	THESE AREAS SHALL BE SEEDED AND MULCHED IN ACCORDANCE WITH THE SPECIFICATIONS. ANY BARE OR DEAD PATCHES SHALL BE REPLACED IMMEDIATELY.
EROSION CONTROL BLANKETS	REFER TO MANUFACTURER'S SPECIFICATIONS FOR DETAILED MAINTENANCE REQUIREMENTS. INSPECT WEEKLY AND AFTER EACH RUNOFF EVENT UNTIL PERENNIAL VEGETATION IS ESTABLISHED TO A UNIFORM 70% COVERAGE. DAMAGED OR DISPLACED BLANKETS SHALL BE RESTORED OR REPLACED WITHIN FOUR (4) CALENDAR DAYS.

NOTE: UNLESS MORE FREQUENT MAINTENANCE REQUIREMENTS ARE SPECIFIED ABOVE, ALL E&S MEASURE SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. INSPECTION, MAINTENANCE, AND REMOVAL OF E&S FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR. A LOG OF E&S RELATED INSPECTIONS AND MAINTENANCE ACTIVITIES SHALL BE MAINTAINED AT ALL TIMES ON SITE.

CLEAN FILL AND ENVIRONMENTAL DUE-DILIGENCE

THIS EROSION AND SEDIMENTATION POLLUTION CONTROL PLAN COVERS THE "MOVING, DEPOSITING, STOCKPILING, OR STORING OF SOIL, ROCK OR EARTH MATERIALS" IF THIS PROJECT WILL NEED FILL IMPORTED FROM AN OFF SITE LOCATION. THE RESPONSIBILITY FOR PERFORMING ENVIRONMENTAL DUE DILIGENCE AND THE DETERMINATION OF CLEAN FILL WILL RESIDE WITH THE CONTRACTOR. ENVIRONMENTAL DUE DILIGENCE IS DEFINED AS INVESTIGATIVE TECHNIQUES, INCLUDING, BUT NOT LIMITED TO, VISUAL PROPERTY INSPECTIONS, ELECTRONIC DATA BASE SEARCHES, REVIEW OF PROPERTY OWNERSHIP, REVIEW OF PROPERTY USE HISTORY, SANBORN MAPS, ENVIRONMENTAL QUESTIONNAIRES, TRANSACTION SCREENS, ANALYTICAL TESTING, ENVIRONMENTAL ASSESSMENTS OR AUDITS. ANALYTICAL TESTING IS NOT A REQUIRED PART OF DUE DILIGENCE UNLESS VISUAL INSPECTION AND/OR REVIEW OF THE PAST LAND USE OF THE PROPERTY INDICATES THAT THE FILL MAY HAVE BEEN SUBJECTED TO A SPILL OR RELEASE OF REGULATED SUBSTANCE. IF THE FILL MAY HAVE BEEN AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE, IT MUST BE TESTED TO DETERMINE IF IT QUALIFIES AS CLEAN FILL. TESTING SHOULD BE PERFORMED IN ACCORDANCE WITH APPENDIX A OF THE DEPARTMENT'S POLICY "MANAGEMENT OF FILL". CLEAN FILL IS DEFINED AS: UNCONTAMINATED, NON-WATER SOLUBLE, NON-DECOMPOSABLE, INERT, SOLID MATERIAL. THE TERM INCLUDES SOIL, ROCK, STONE, DREDGED MATERIAL, USED ASPHALT, USED BRICK, BLOCK OR CONCRETE FROM CONSTRUCTION AND DEMOLITION ACTIVITIES THAT IS SEPARATE FROM OTHER WASTE AND IS RECONSIDERABLE AS SUCH. THE TERM DOES NOT INCLUDE MATERIALS PLACED IN OR ON THE WATERS OF THE COMMONWEALTH UNLESS OTHERWISE AUTHORIZED. (THE TERM "USED ASPHALT" DOES NOT INCLUDE MILLED ASPHALT OR ASPHALT THAT HAS BEEN PROCESSED FOR RE-USE.) FILL MATERIAL THAT DOES NOT QUALIFY AS CLEAN FILL WILL BE CONSIDERED REGULATED FILL. REGULATED FILL IS WASTE AND MUST BE MANAGED IN ACCORDANCE WITH THE DEPARTMENT'S MUNICIPAL OR RESIDUAL WASTE REGULATIONS BASED ON 25 P.A. CODE CHAPTERS 287 RESIDUAL WASTE MANAGEMENT OR 271 MUNICIPAL MANAGEMENT, IF APPLICABLE. FILL DETERMINATION IS NOT REQUIRED BY THE CONTRACTOR UNLESS THERE IS EVIDENCE THAT A SPILL OR RELEASE OF A REGULATED SUBSTANCE HAS OCCURRED.

CONSTRUCTION WASTE DISPOSAL

INDIVIDUALS RESPONSIBLE FOR EARTH DISTURBANCE ACTIVITIES MUST ENSURE THAT PROPER MECHANISMS ARE IN PLACE TO CONTROL WASTE MATERIALS. CONSTRUCTION WASTES INCLUDE, BUT ARE NOT LIMITED TO, EXCESS SOIL MATERIALS, BUILDING MATERIALS, CONCRETE WASH WATER, SANITARY WASTES, ETC. THAT COULD ADVERSELY IMPACT WATER QUALITY. MEASURES SHOULD BE PLANNED AND IMPLEMENTED FOR HOUSEKEEPING, MATERIAL MANAGEMENT, AND LITTER CONTROL. BULK CONSTRUCTION WASTE MUST BE DISPOSED OF OFF-SITE, AT A PERMITTED LOCATION (I.E. LANDFILL). EXCESS FILL MATERIAL MUST BE DISPOSED OF IN AN AREA THAT HAS AN APPROVED E&S PLAN ASSOCIATED WITH IT. CONCRETE WASH WATER AND SANITARY WASTES MAY NOT BE DISCHARGED TO A STORM SEWER OR PERMITTED TO FLOW OVERLAND TO RECEIVING WATERS. WHEREVER POSSIBLE, RECYCLING OF EXCESS MATERIALS IS PREFERRED, OVER DISPOSAL.

EROSION AND SEDIMENTATION CONTROL NOTES

- THE EXACT LOCATION AND DEPTH OF EXISTING UTILITIES MUST BE FIELD-VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION OF PROPOSED IMPROVEMENTS.
- IN ACCORDANCE WITH THE ACT 287 PA ONE CALL SYSTEM (1974), OR AS AMENDED, THE CONTRACTOR MUST CALL THE FOLLOWING PHONE NUMBER AND NOTIFY ALL AFFECTED UTILITY COMPANIES OF THE INTENTION TO EXCAVATE NO LESS THAN THREE (3) WORKING DAYS PRIOR TO EXCAVATION ACTIVITIES. PENNSYLVANIA CALL BEFORE YOU DIG: 1-800-242-1716.

FULLY SPRINKLERED
BID DOCUMENTS

Revisions:	Date:	CONSULTANTS:	ARCHITECTS/ENGINEERS:	Drawing Title EROSION & SEDIMENTATION CONTROL (E&S) PLAN Approved: Project Director	Project Title BUILDING 9 - SECOND FLOOR RENOVATION Location 1400 Blackhorse Hill Road Coatesville, PA 19320 Date 05/12/14 Checked RB Drawn CMP	Project Number 542-13-105 Building Number 9 Drawing Number CG211 Dwg. 17 of 125	Office of Construction and Facilities Management Department of Veterans Affairs
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